SS

State\_Value (0 or 1)

Address, State\_Value (0 or 1)

baud rate

CAWN

BRGWN

CIOCON

Warning\_LED()

If no speed input is received

CAN\_tx (Formatted\_speed)

Transmits the speed value that is stored at EEPROM

Speed

EEPROM\_Write()

Writes the received speed value.

CAN\_tx(Formatted, speed)

Can\_Rx ()

Receives the speed Input from CAN Transmitter

EEPROM\_Write (Address, State value)

Reads the values and address of indication led state (0 or 1)

CAN\_tx (state value)

State value

System\_init()

Enabling GIE and PEIE

Main Function ()

System\_init ()

Can\_init ()

Baud\_rate()

EEPROM\_write (Address, State value )

Can\_Rx()

Can\_Tx2()

Warning\_LED()

Interrupt Indication()

Turning on indication LED

CAN\_tx (state value)

Transmits the state value that is stored at EEPROM

Functional Block diagram

Can\_init()

Clearing Tristate bits, enabling peripheral buffers, setting priority to interrupts